CLAIMS

1. A shock-resistant enclosure, comprising a housing to which a fragile element is rigidly mounted, and a plurality of discrete shock absorbing elements projecting in different directions from the housing for receiving impacts which would otherwise strike the housing.

2. The shock-resistant enclosure of Claim 1 wherein the shock absorbing elements are fabricated of an elastomeric material affixed to the housing.

3. The shock-resistant enclosure of Claim 1 wherein the shock absorbing elements are formed integrally with the housing and of the same material as the housing.

4. The shock-resistant enclosure of Claim 1 wherein the shock absorbing elements include springs.

5. The shock-resistant enclosure of Claim 1 wherein the shock absorbing elements are tapered and decrease in cross-sectional area away from the housing.

6. The shock-resistant enclosure of Claim 1 wherein the shock absorbing elements are formed integrally with a gasket which seals two sections of the housing together.

7. The shock-resistant enclosure of Claim 1 wherein at least some of the shock absorbing elements extend beyond a mounting surface of the housing and are adapted to deflect so as not to prevent the mounting surface from making direct contact with a surface on which the enclosure is installed.

8. The shock-resistant enclosure of Claim 1 further including a mounting pad which projects from the housing, and a shock absorbing fender spaced laterally from the mounting pad.

9. The shock-resistant enclosure of Claim 8 wherein the mounting pad and the fender are formed integrally with the housing.

10. A shock-resistant enclosure, comprising a housing having base and cover sections, and a combined sealing gasket and shock absorbing structure formed integrally of an elastomeric material with a sealing portion disposed between the base and cover sections of the housing and a plurality of discrete shock absorbing elements extending from the sealing portion and projecting from different sides of the housing.

11. The shock-resistant enclosure of Claim 10 wherein the shock absorbing elements are connected to the sealing portion by runners which are embedded in the walls of the housing.

12. The shock-resistant enclosure of Claim 11 wherein the runners are embedded in recesses near the corners of the housing and held in place by cornerpieces retained by fasteners that also hold the two sections of the housing together.

13. The shock-resistant enclosure of Claim 11 wherein the shock absorbing elements and runners are over-molded onto the housing, with the runners being embedded in recesses near the corners of the housing and thereby integrally attached to the housing.

14. The shock-resistant enclosure of Claim 10 wherein the shock absorbing elements are tapered and decrease in cross-sectional area away from the housing.

15. The shock-resistant enclosure of Claim 10 including shock absorbing leaf springs which extend in a direction generally parallel to one side of the housing.

16. The shock-resistant enclosure of Claim 15 wherein the leaf springs are formed integrally with one of the sections of the housing and extend from that section in cantilevered fashion.

17. The shock-resistant enclosure of Claim 10 further including a mounting pad which projects from the housing, and a shock absorbing fender spaced laterally from the mounting pad.

18. The shock-resistant enclosure of Claim 17 wherein the mounting pad and the fender are formed integrally with the housing.

19. A shock-resistant enclosure, comprising a housing to which a fragile element is rigidly mounted, a mounting pad which projects from the housing, and a shock absorbing fender spaced laterally from the mounting pad for receiving impacts which would otherwise strike the mounting pad.

20. The shock-resistant enclosure of Claim 19 wherein the mounting pad and the fender are formed integrally with the housing.

21. The shock-absorbing enclosure of Claim 19 wherein the fender includes a lug which extends beyond a surface of the mounting pad for receiving impacts which might otherwise strike the surface of the pad.

22. The shock-resistant enclosure of Claim 21 wherein the housing, the mounting pad, and the fender are fabricated of a plastic material.

23. The shock-resistant enclosure of Claim 19 wherein the mounting pad is generally circular, and the fender is generally C-shaped.

24. A shock-resistant enclosure, comprising a housing to which a fragile element is rigidly mounted, and a plurality of leaf springs formed integrally with and extending from the housing for receiving impacts that would otherwise strike the housing.

25. The shock-resistant enclosure of Claim 24 wherein the leaf springs overlie one side of the housing.

26. A shock-resistant enclosure, comprising a housing to which a fragile element is rigidly mounted, and a plurality of shock absorbing fenders which extend around and are spaced from corner portions of the housing for receiving impacts that would otherwise strike the housing.

27. The shock-resistant enclosure of Claim 26 wherein the fenders are formed integrally with the housing.

28. The shock-resistant enclosure of Claim 27 wherein the housing and the fenders are fabricated of a plastic material.

29. The shock-resistant enclosure of Claim 26 wherein the fenders include lugs which extend beyond a side of the housing bounded by the corner portions.